

CONTENTS · THE JOURNAL OF  
General Physiology

---

VOLUME 83 · NUMBER 2 · FEBRUARY 1984

---

- 133 ISABEL LLANO and FRANCISCO BEZANILLA. Analysis of sodium current fluctuations in the cut-open squid giant axon
- 143 W. J. BETZ and J. H. CALDWELL. Mapping electric currents around skeletal muscle with a vibrating probe
- 157 J. H. CALDWELL and W. J. BETZ. Properties of an endogenous steady current in rat muscle
- 175 W. J. BETZ, J. H. CALDWELL, and S. C. KINNAMON. Physiological basis of a steady endogenous current in rat lumbrical muscle
- 193 EDWIN R. GRIFF and ROY H. STEINBERG. Changes in apical  $[K^+]$  produce delayed basal membrane responses of the retinal pigment epithelium in the gecko
- 213 ROBERT A. LINSSENMEIER and ROY H. STEINBERG. Delayed basal hyperpolarization of cat retinal pigment epithelium and its relation to the fast oscillation of the DC electroretinogram
- 233 MAXWELL M. MOZELL, PAUL R. SHEEHE, STANLEY W. SWIECK, JR., DANIEL B. KURTZ, and DAVID E. HORNUNG. A parametric study of the stimulation variables affecting the magnitude of the olfactory nerve response
- 269 JOSÉ R. LEMOS and IRWIN B. LEVITAN. Intracellular injection of guanyl nucleotides alters the serotonin-induced increase in potassium conductance in *Aplysia* neuron R15
- 287 MARIO VASSALLE and CHIN O. LEE. The relationship among intracellular sodium activity, calcium, and strophanthidin inotropic in canine cardiac Purkinje fibers